BRUHATH BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work: Estimate for Construction of RCC Drain, Covering Slab and Improvements to Roads at Kalappa Layout in Ward No. 10, Doddabommasandra, Vidyaranyapura Sub Division.

							Estimate Cost:		1995000.00
Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **No. 5/ Item No. 2.3/ PWD SR 2012-13**	Cum							
	Kalappa Layout Main Road		2	180.00	1.00	0.70	252.00		
	Cross Road RHS		1	45.00	1.00	0.70	31.50		
			1	24.00	1.00	0.70	16.80		
	Cross Road LHS		1	24.00	1.00	0.70	16.80		
							292.32	135.00	**39463.00**
	Basic Rate	125.00							
	Area Weightage @ 8%	10.00							
	Total	**135.00**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2012-13**	Cum							
	Kalappa Layout Main Road		2	180.00	1.00	0.15	54.00		
	Cross Road RHS		1	45.00	1.00	0.15	6.05		
			1	24.00	1.00	0.15	3.40		
	Cross Road LHS		1	24.00	1.00	0.15	3.60		
							67.05	3884.76	**260473.00**
	Basic Rate	3597.00							
	Area Weightage @ 8%	287.76							
	Total	**3884.76**							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 17/ Item No. 4.34/ PWD SR 2012-13**	Sqm							
	Kalappa Layout Main Road		2 X 4	181.00		0.60	868.80		
	Cross Road RHS		3	50.00		0.60	90.00		
			4	26.00		0.60	62.40		
	Cross Road LHS		4	26.00		0.60	62.40		
							1072.80	222.48	**238677.00**
	Basic Rate	206.00							
	Area Weightage @ 8%	16.48							
	Total	**222.48**							
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2012-13**	Cum							
	Bottom Concrete Kalappa Layout Main Road		2	180.00	0.90	0.15	48.60		
	Cross Road RHS		1	45.00	0.90	0.15	6.08		
			1	24.00	0.90	0.15	3.24		
	Cross Road LHS		1	24.00	0.90	0.15	3.24		
	Side Wall Main Road		2x2	180.00	0.10	0.50	36.00		
	Cross Road RHS		2	45.00	0.10	0.55	4.95		
			2	24.00	0.10	0.55	2.77		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Cross Road LHS		2	24.00	0.10	0.50	2.40		
							107.28	5239.08	**562022.00**
	Basic Rate	4851.00							
	Area Weightage @ 8%	388.08							
	Total	**5239.08**							
5	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.46/ PWD SR 2012-13**	Qtl							
	Consider 50 Kg / Cum		0.50	107.28			**53.64**	7323.48	**392813.00**
	Basic Rate	6781.00							
	Area Weightage @ 8%	542.48							
	Total	**7323.48**							
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, **No. 6/ Item No. 2.10/ PWD SR 2012-13**	Cum							
	Kalappa Layout Main Road		2	180.00	0.30	0.65	70.20		
	Cross Road RHS		2	45.00	0.30	0.65	18.36		
			2	24.00	0.30	0.65	9.36		
	Cross Road LHS		2	24.00	0.30	0.65	9.36		
							107.28	90.72	**9732.00**
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	**90.72**							
7	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Qty Vide Item No. (1-6)x90%				**166.54**	72.71	**12108.00**

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic rate for haulage of materials as per item no.17.4 page 118) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.118	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 10 cms thick **Page No. 28 / Item No. 5.31.2 / PWD SR 2012-13**	Sqm							
	Kalappa Layout Main Road		2	180.00		0.75	270.00		
	Cross Road RHS		1	45.00		0.90	44.40		
			1	24.00		0.90	21.60		
	Cross Road LHS		1	24.00		0.90	21.60		
				273.00			**357.60**	486.00	**173794.00**
	Basic Rate	450.00							
	Area Weightage @ 8%	36.00							
	Total	**486.00**							
9	KSRB 5-9: Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 **Page No. 27 / Item No. 5.22/ PWD SR 2012-13**	m							
			1329	2.10			**2790.90**	25.39	**70863.00**
	Basic Rate	23.51							
	Area Weightage @ 8%	1.88							
	Total	**25.39**							
10	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5-1.13 **Page No. 26 / Item No. 5.18/ PWD SR 2012-13**	Sqm							
	Kalappa Layout Main Road		2	102.00		0.60	122.40		
	Cross Road RHS		2	130.00		0.60	156.00		
			2	40.00		0.60	48.00		
	Cross Road LHS		2	26.00		0.60	31.20		
							357.60	653.40	**233656.00**
	Basic Rate	605.00							
	Area Weightage @ 8%	48.40							
	Total	**653.40**							

No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	Miscellaneous and unforeseen charges	LS							1354.00
								Total	1995000.00
(Rupees Twenty Lakhs Only)									

CERTIFICATE:

1. Certified that I have personally inspected the area and prepared the Estimate.
2. Certified that the above estimate is prepared as per PWD SR 2012-13.
3. Certified that the work proposed in this estimate is not including in any other scheme.
4. The provisions were made in this estimate are necessary and adequate.
5. This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P., Bangalore.

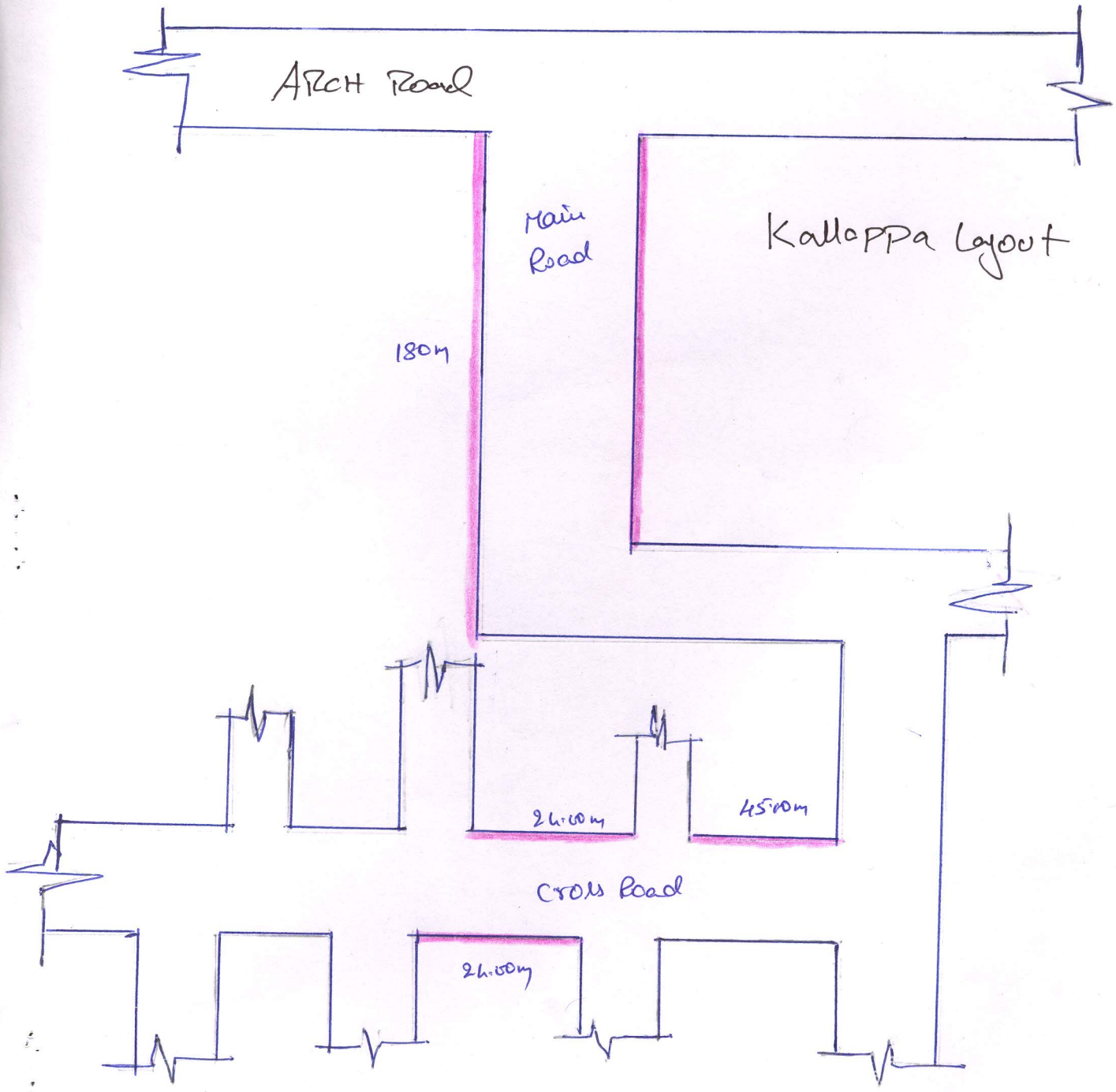
Executive Engineer 12/12/2012
Byatarayanapura Division.
B.B.M.P., Bangalore.

...sanction for Rs. 19.95 lakh
... nineteen lakhs ninety five
... thousand only
... PWD - 2012-13
... P. 1771
registered as EE No: 367/1213 Subject
to conditions contained enclosed memo.
No: 367/1213 Dr. 10.1.13
AE/JE
EE (BTP. Div.)

ADMINISTRATIVELY SANCTIONED FOR Rs.
Rupees nineteen lakh ninety
five thousand only
Under PWD - 2012-13
P. 1771
Registered as EE ( ) No 3....9....
Subject to conditions contained in
enclosed memo EE ( ) No 740 /9/....
Dt 7.1.13 Estimate A/Sanctioned
JCAPA No 740/12-13
dated 7.1.13 Rs 19.95 lakh

7/1/13
Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.

Name of work :- Construction of RCC drain, covering Slab and Improvement to road at 1st stage kalappa layout ward # 10, Dobbaspet Nandini Vidyaranyapura sub division.



Sadhan
AE

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ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
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